

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 091395-9442 WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2005/031688	International filing date (day/month/year) 02/09/2005	(Earliest) Priority Date (day/month/year) 07/09/2004
Applicant TIMKEN US CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

Due: 1-6-06

DOCKETED

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A selectable mode clutch includes a first race coupled for rotation with an input member, a second race, and a projection (98) integrally formed with one of the first and second races. The clutch includes rollers that engage axial ridges on the first and second races to radially displace the second race relative to the first race upon relative rotation between the first race and the second race. The clutch also includes a control member (70) having a first receiving portion and a second receiving portion (82). One of the control member and the projection is movable along the central axis relative to the other between a first position, in which the projection is positioned in the first receiving portion to operate the clutch in a first mode, and a second position, in which the projection is positioned in the second receiving portion to operate the clutch in a second mode.

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International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

F16D41/08 F16D41/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 253 041 A (NEW VENTURE GEAR, INC) 30 October 2002 (2002-10-30) paragraph '0025! - paragraph '0027!; figures 3-5	1, 19
A	US 2003/092528 A1 (WILLIAMS RANDOLPH C) 15 May 2003 (2003-05-15) paragraph '0037! - paragraph '0049!	1, 19
P, A	WO 2005/068867 A (TIMKEN US CORPORATION; JOKI, MARK, A) 28 July 2005 (2005-07-28) paragraph '0014! - paragraph '0015!; figures	1, 19



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

28 November 2005

Date of mailing of the international search report

06/12/2005

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/031688

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1253041	A	30-10-2002	AT 297848 T	15-07-2005
			DE 60204624 D1	21-07-2005
			US 2002157890 A1	31-10-2002
			US 2004168545 A1	02-09-2004
			US 2004067812 A1	08-04-2004
US 2003092528	A1	15-05-2003	CA 2465346 A1	22-05-2003
			EP 1444454 A2	11-08-2004
			WO 03042564 A2	22-05-2003
			US 2003195080 A1	16-10-2003
WO 2005068867	A	28-07-2005	NONE	